

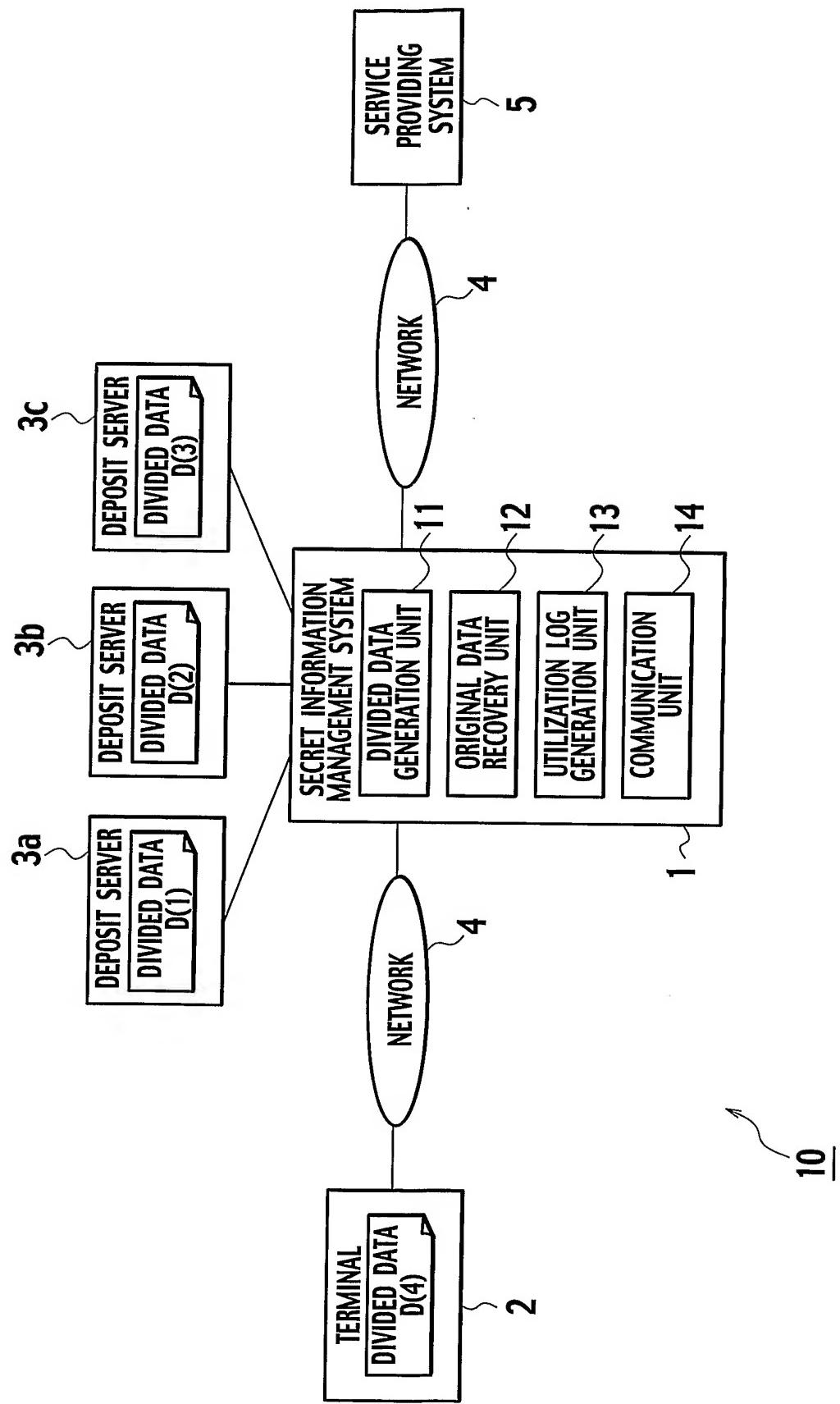
FIG. 1

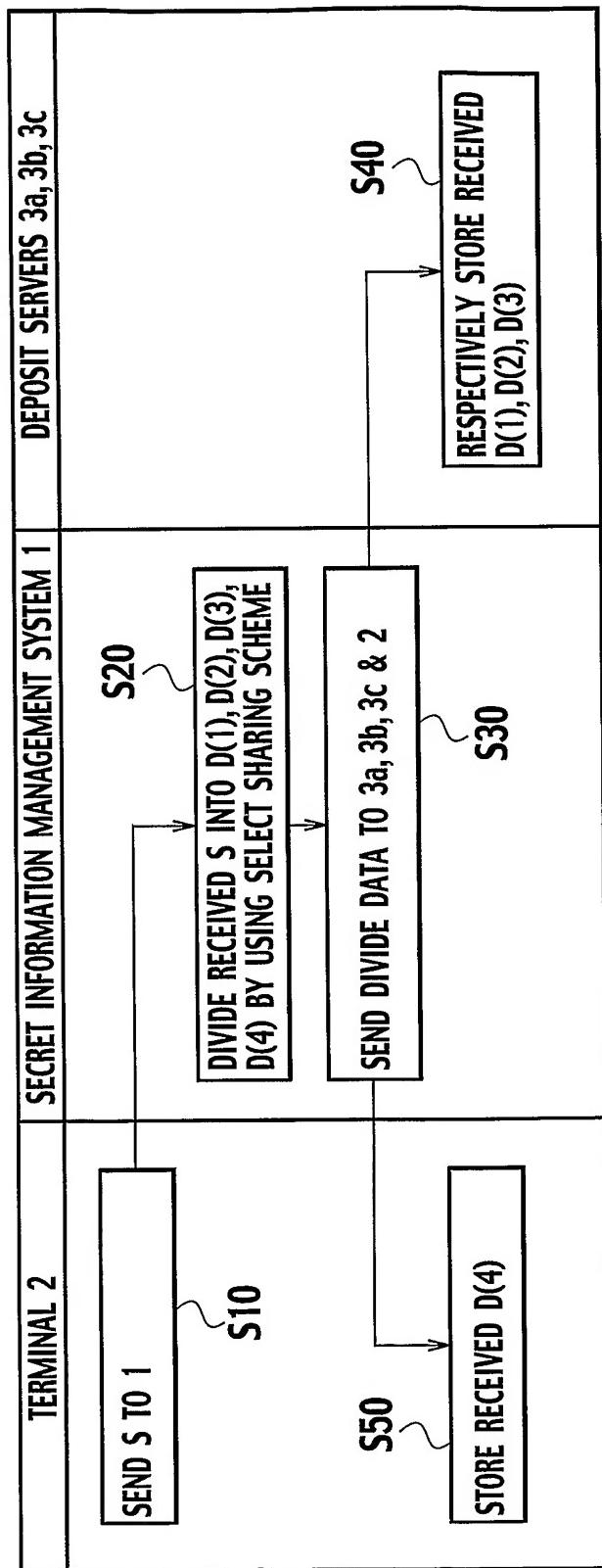
FIG. 2

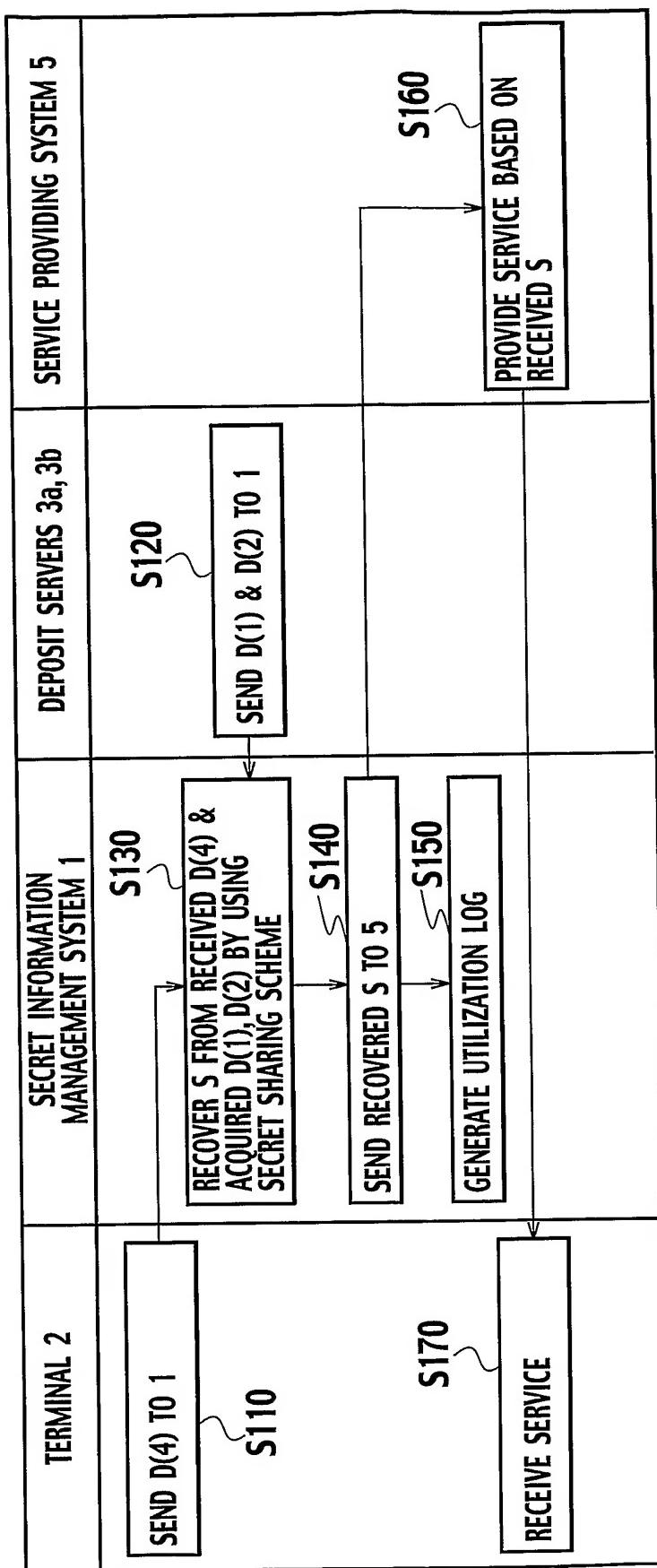
FIG. 3

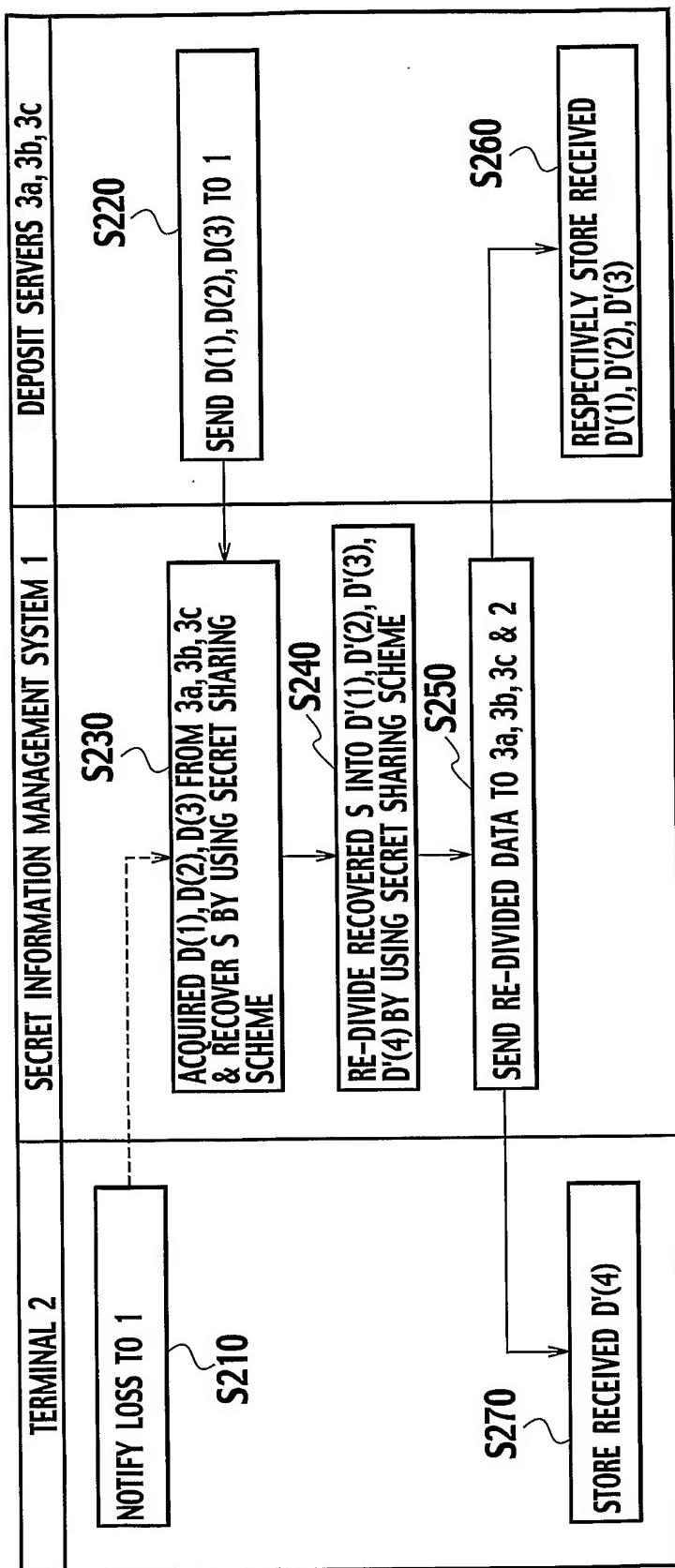
FIG. 4

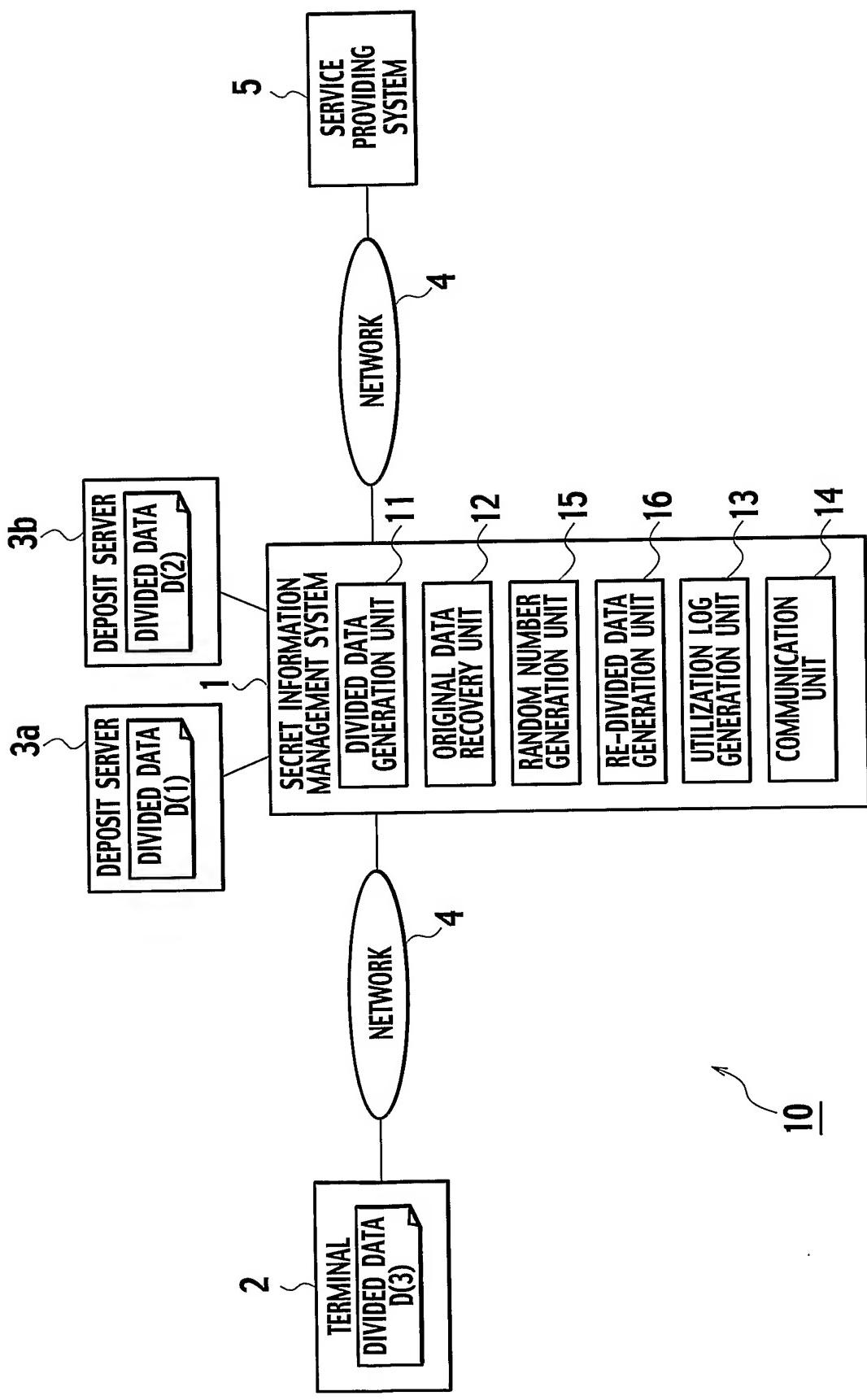
FIG. 5

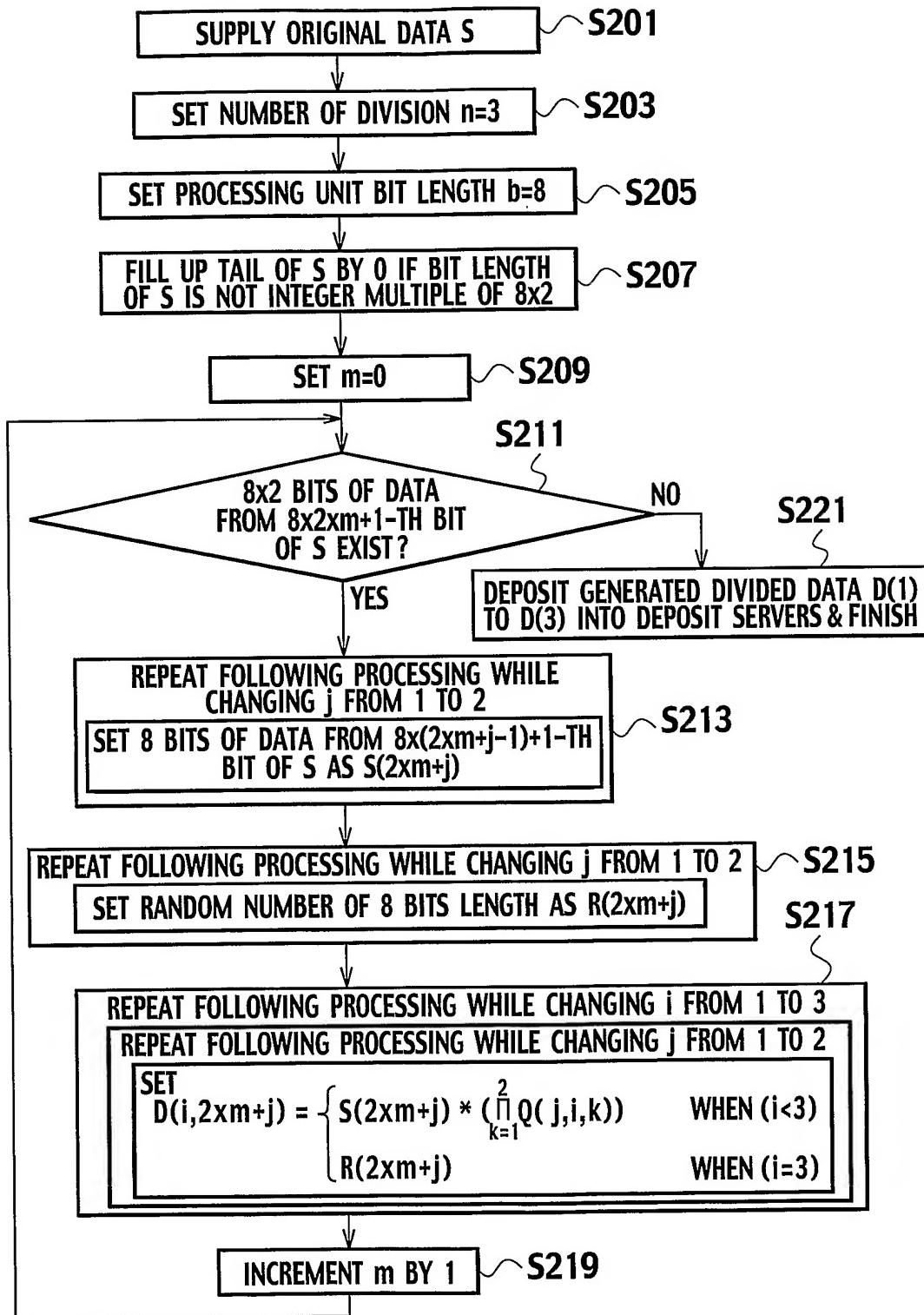
FIG. 6

FIG. 7

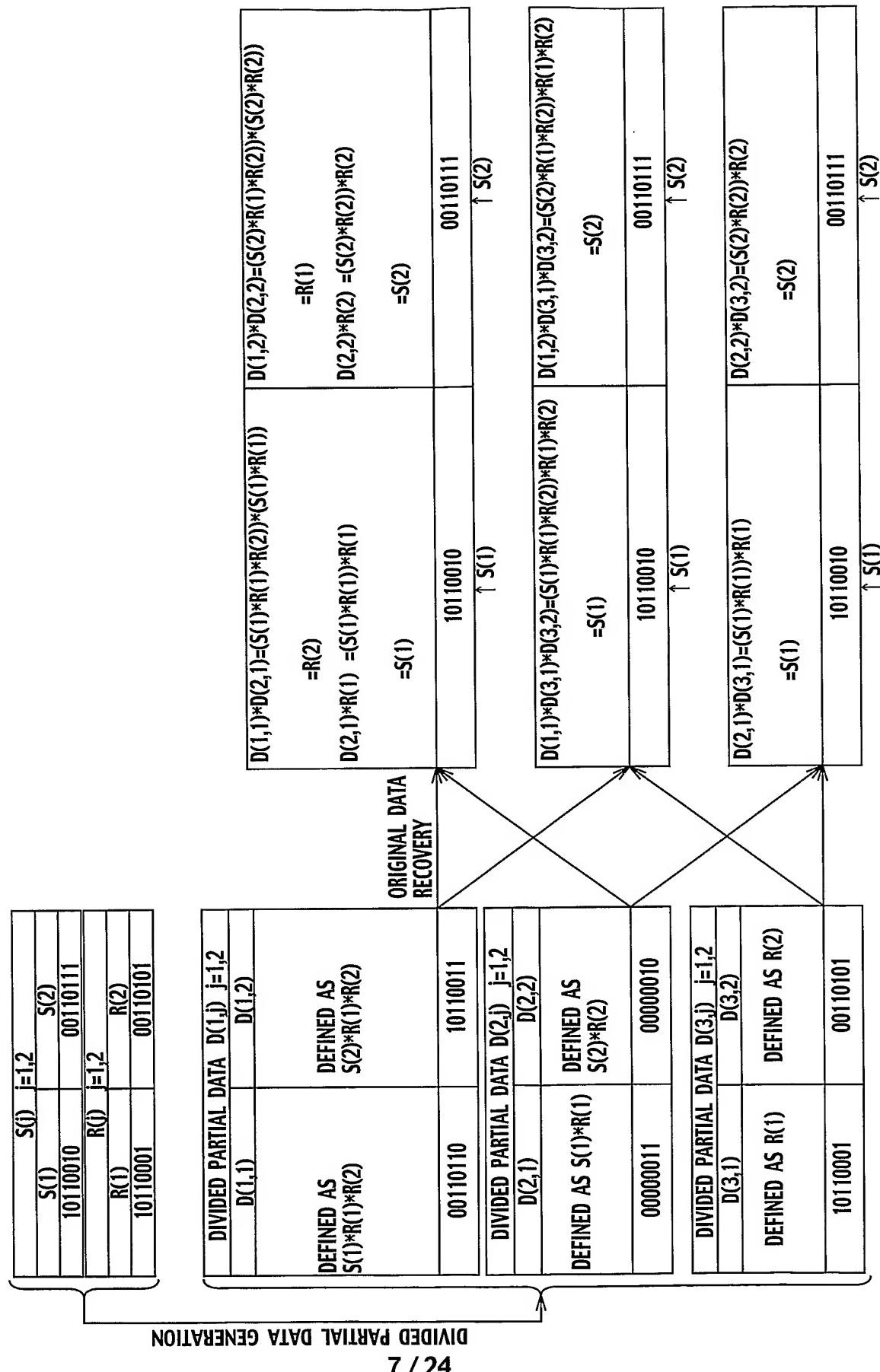


FIG. 8

DIVISION INTO THREE (n=3)		ORIGINAL DATA CAN BE RECOVERED FROM ANY TWO DIVIDED DATA		(m IS ARBITRARY INTEGER m>0)		→CONTINUED TO TAIL OF ORIGINAL DATA S	
VALUE OF j		1	2	...	j=2×m+1	j+1	...
ORIGINAL DATA S(j)	S(1)	S(2)	...	S(j)	S(j+1)	S(j+1)	...
RANDOM NUMBER R(j)	R(1)	R(2)	...	R(j)	R(j+1)	R(j+1)	...
DIVIDED PARTIAL DATA D(1,j)	S(1)*R(1)*R(2)	S(2)*R(1)*R(2)	...	S(j)*R(j)*R(j+1)	S(j+1)*R(j)*R(j+1)	S(j+1)*R(j)*R(j+1)	...
DIVIDED PARTIAL DATA D(2,j)	S(1)*R(1)	S(2) *R(2)	...	S(j)*R(j)	S(j+1) *R(j+1)	S(j+1) *R(j+1)	...
DIVIDED PARTIAL DATA D(3,j)	R(1)	R(2)	...	R(j)	R(j+1)	R(j+1)	...

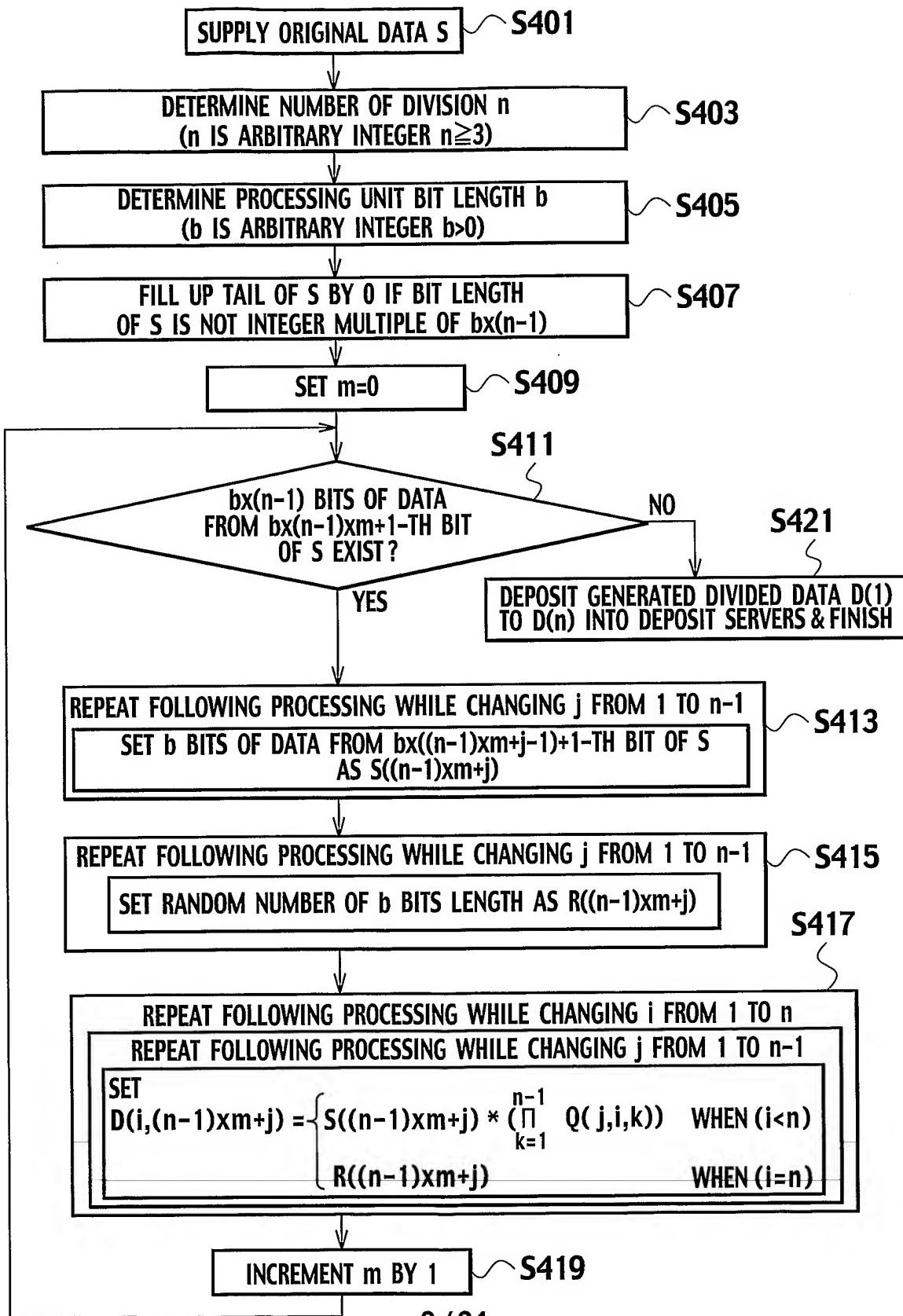
FIG. 9

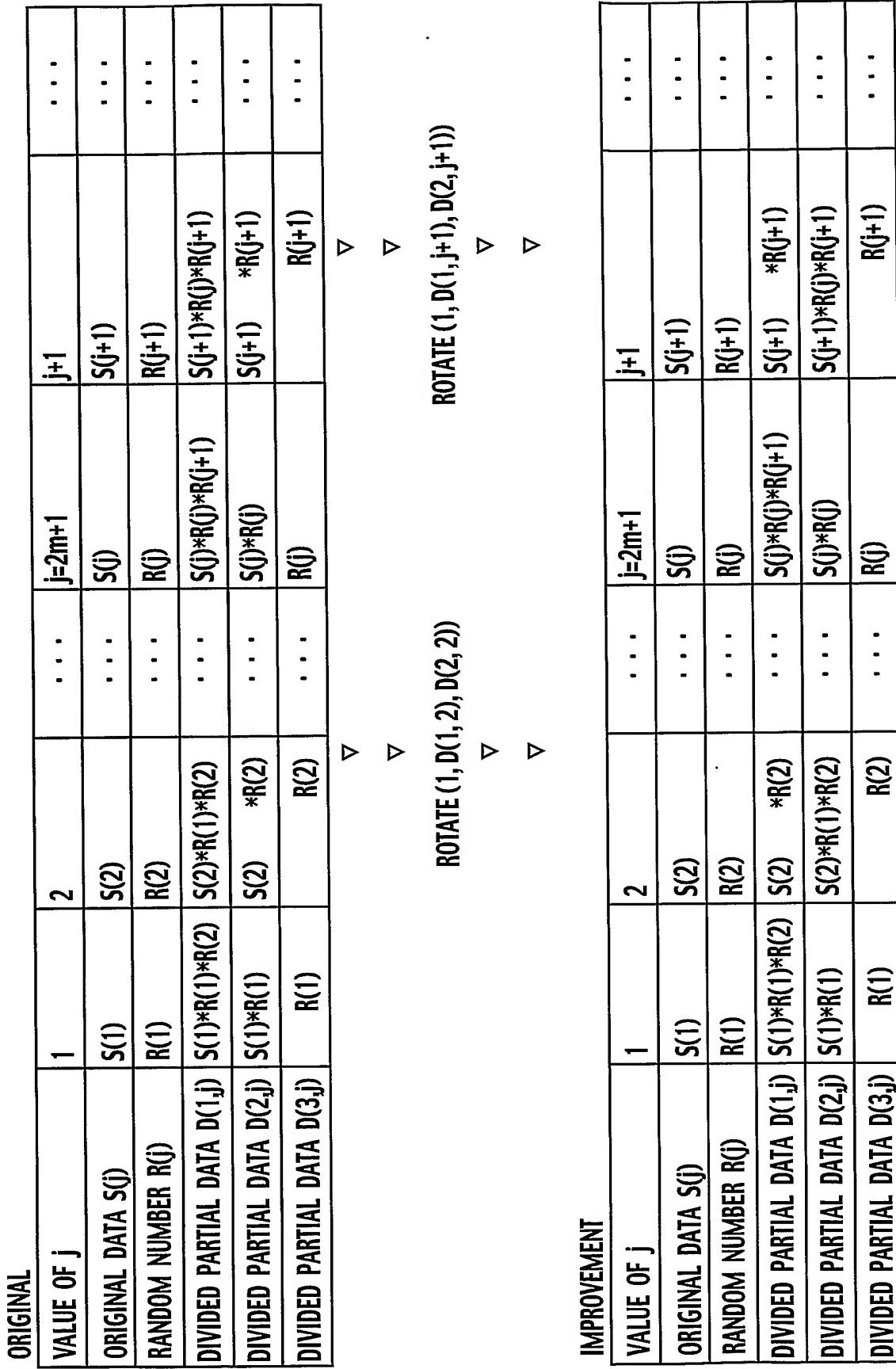
FIG. 10

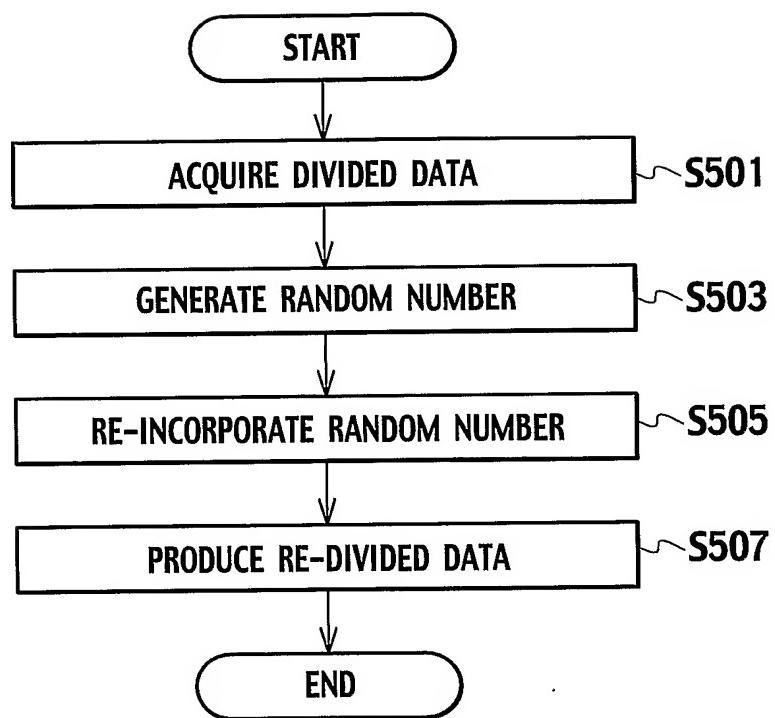
FIG. 11

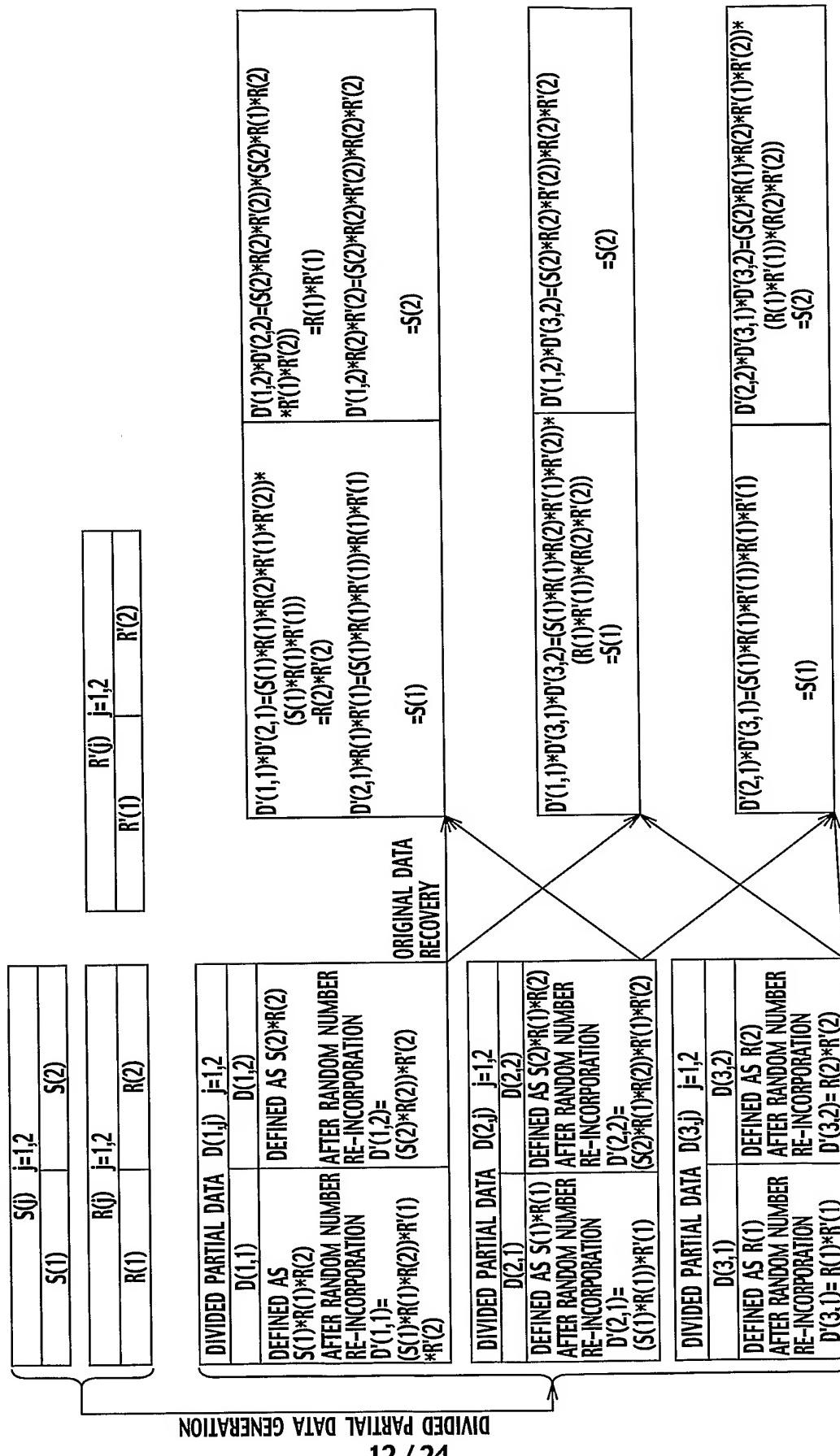
FIG. 12

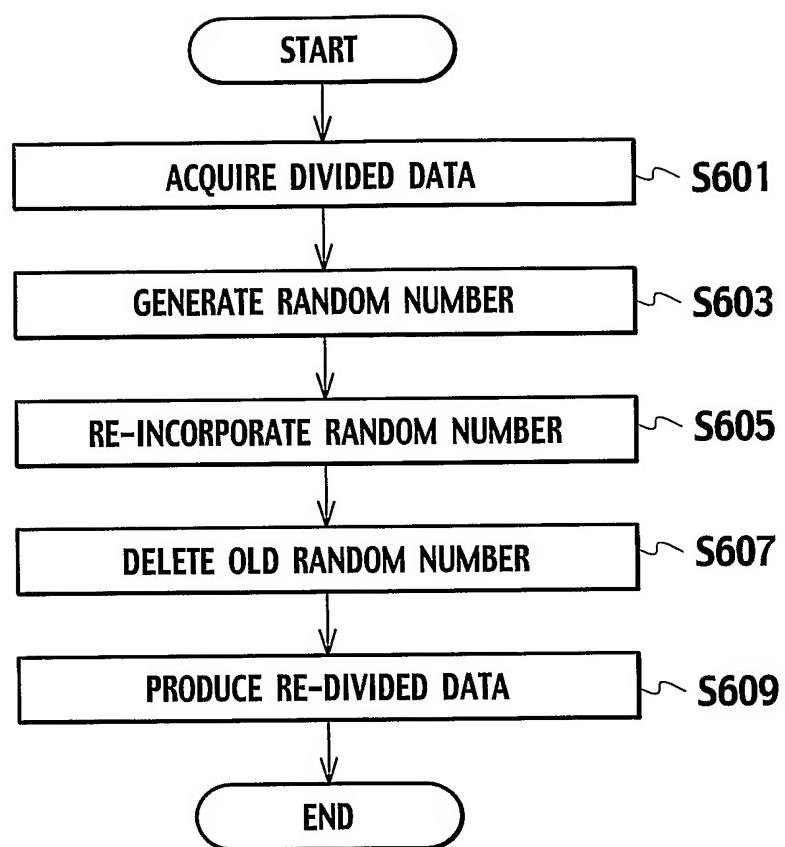
FIG. 13

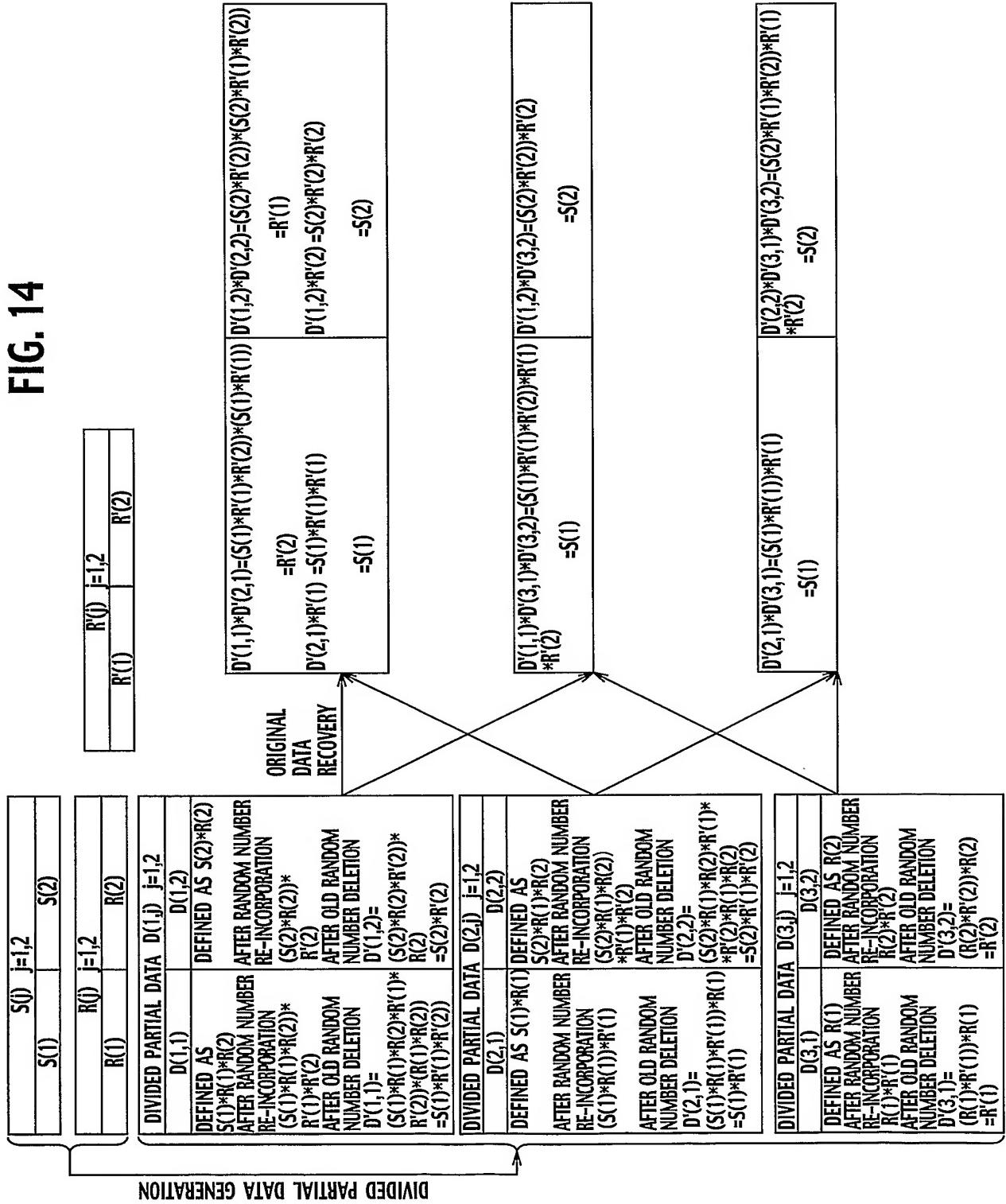
FIG. 14

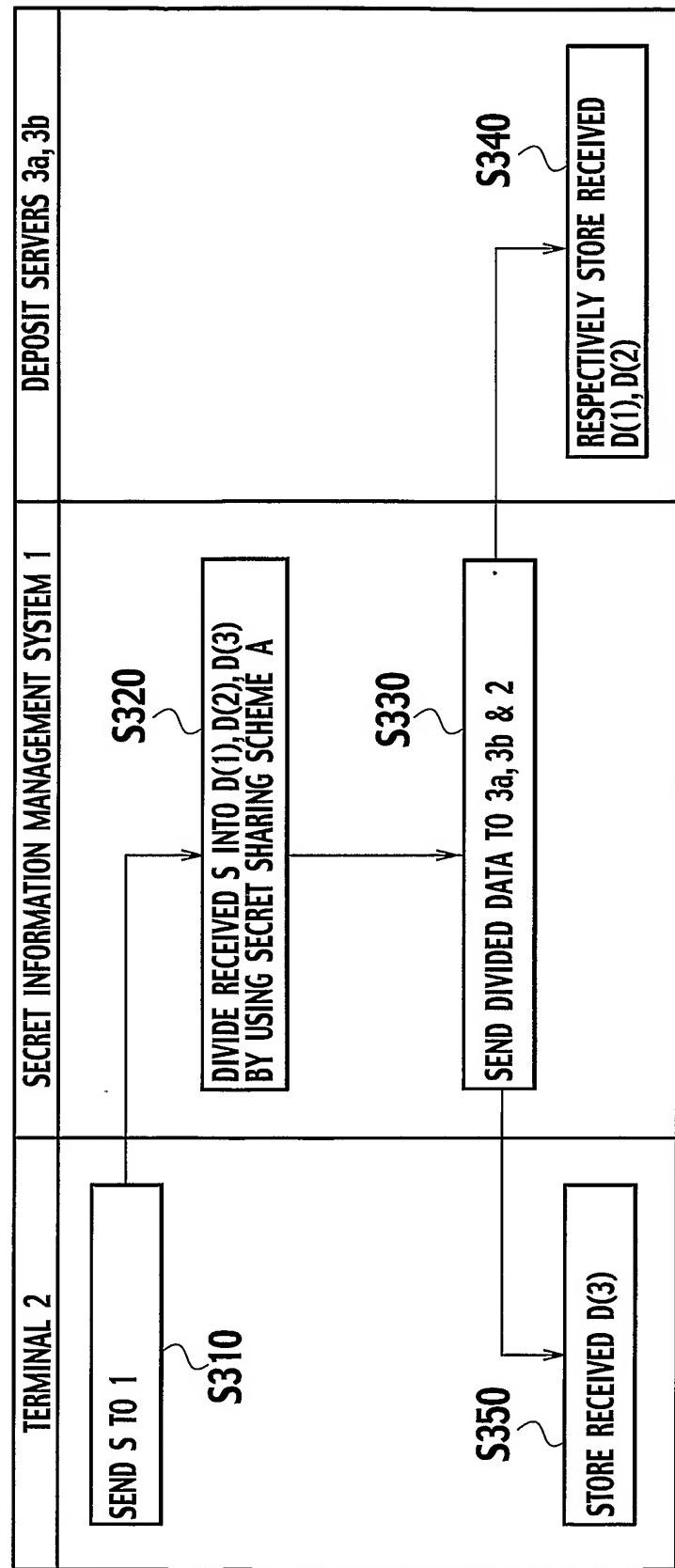
FIG. 15

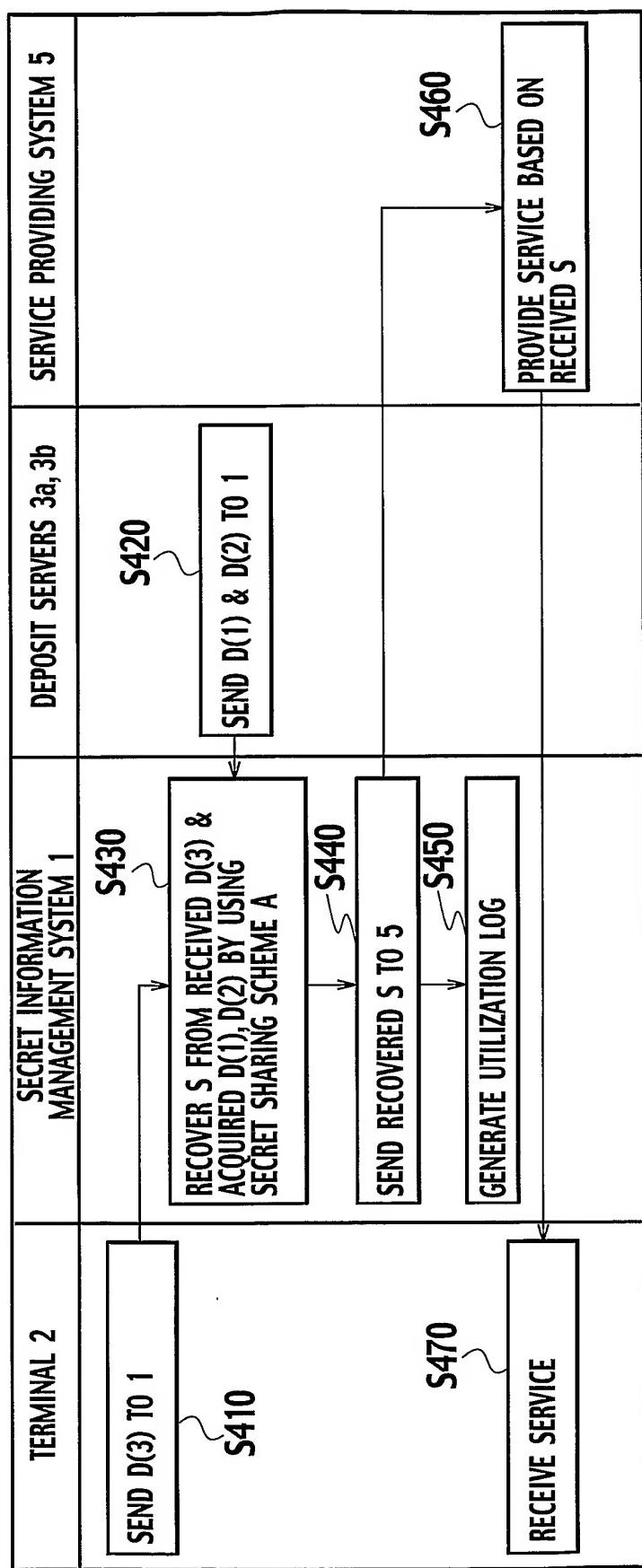
FIG. 16

FIG. 17

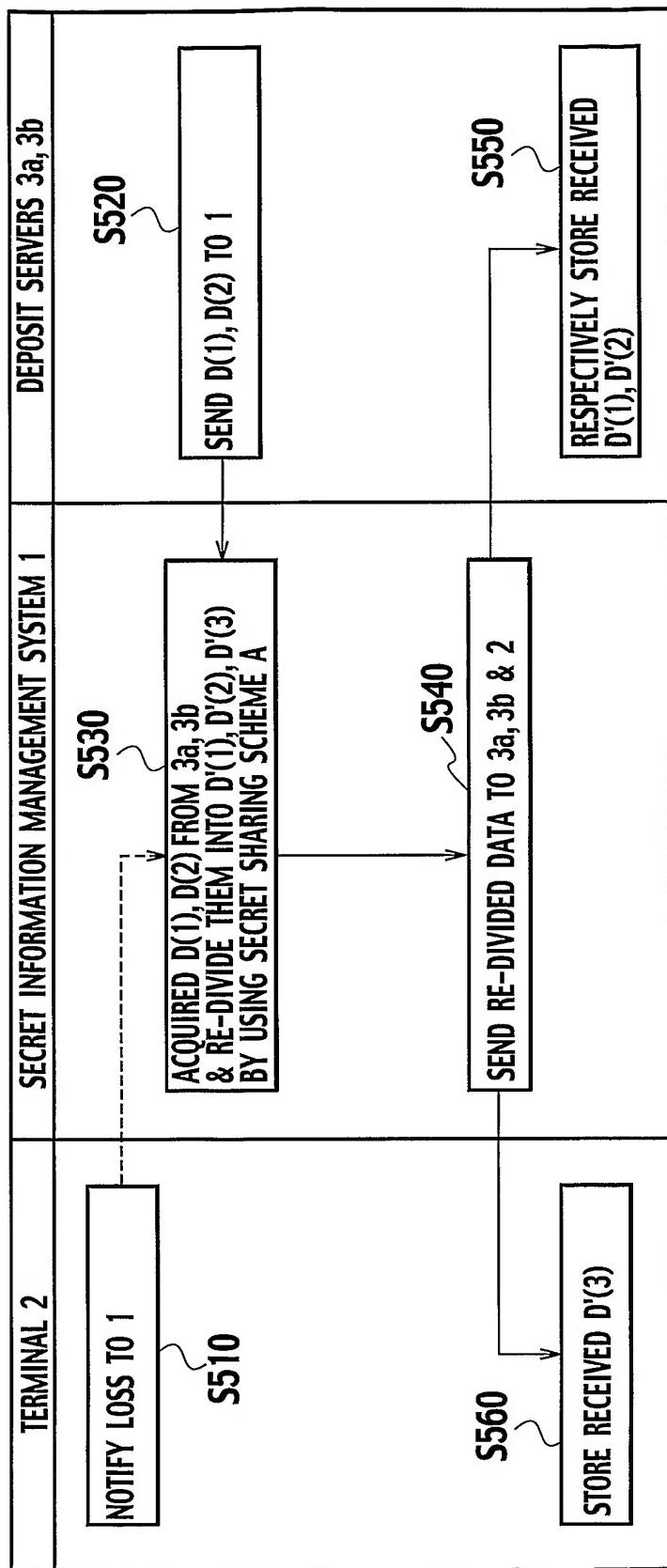


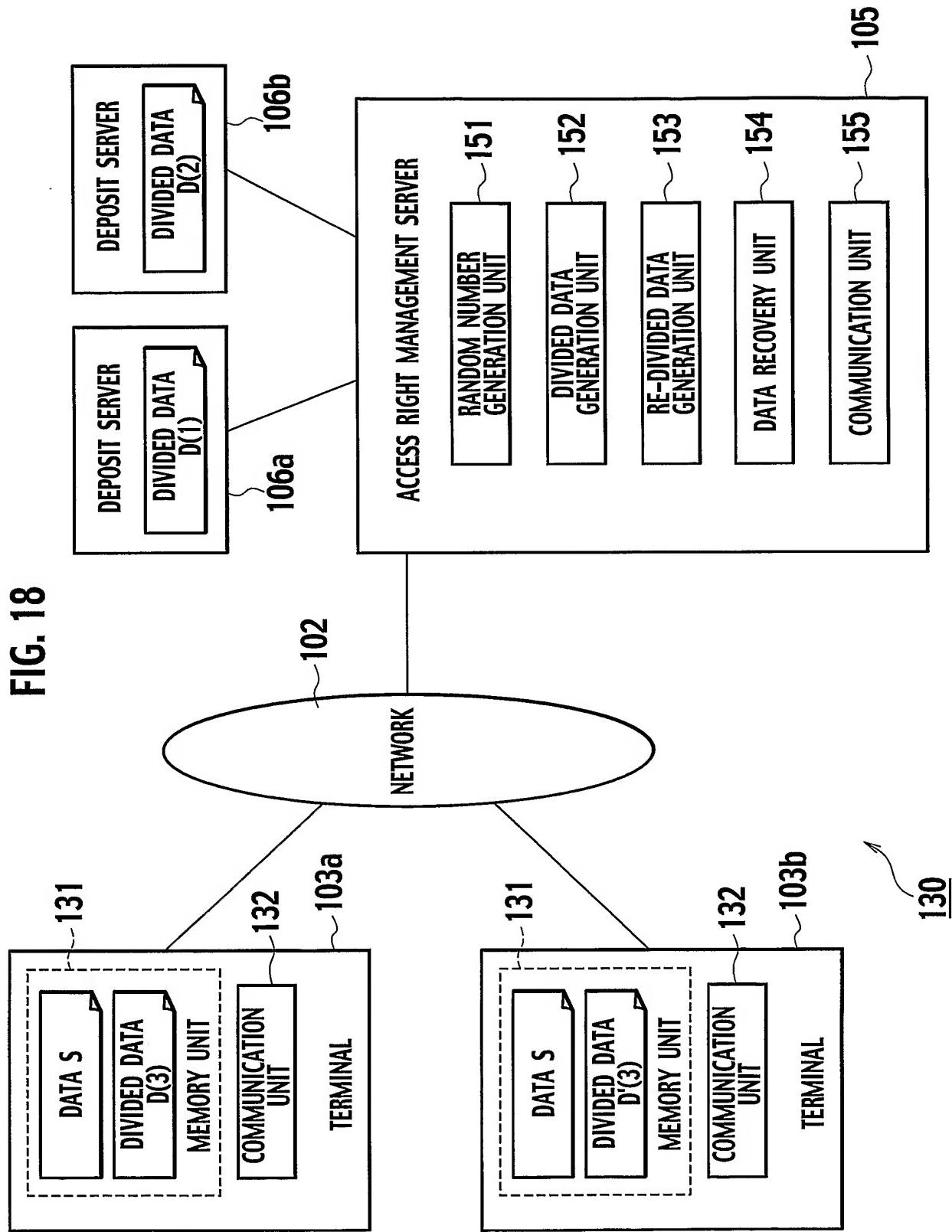
FIG. 18

FIG. 19

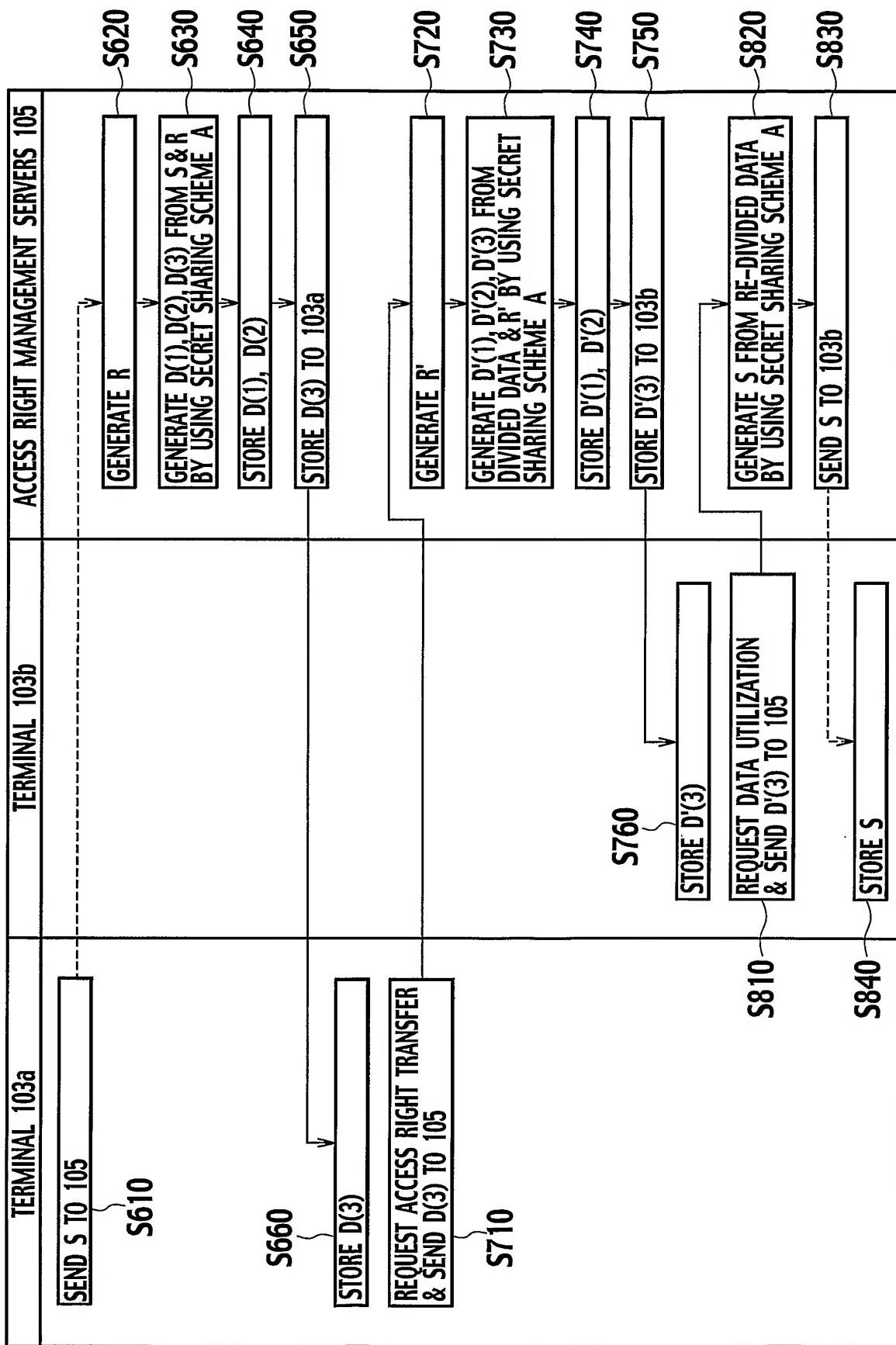


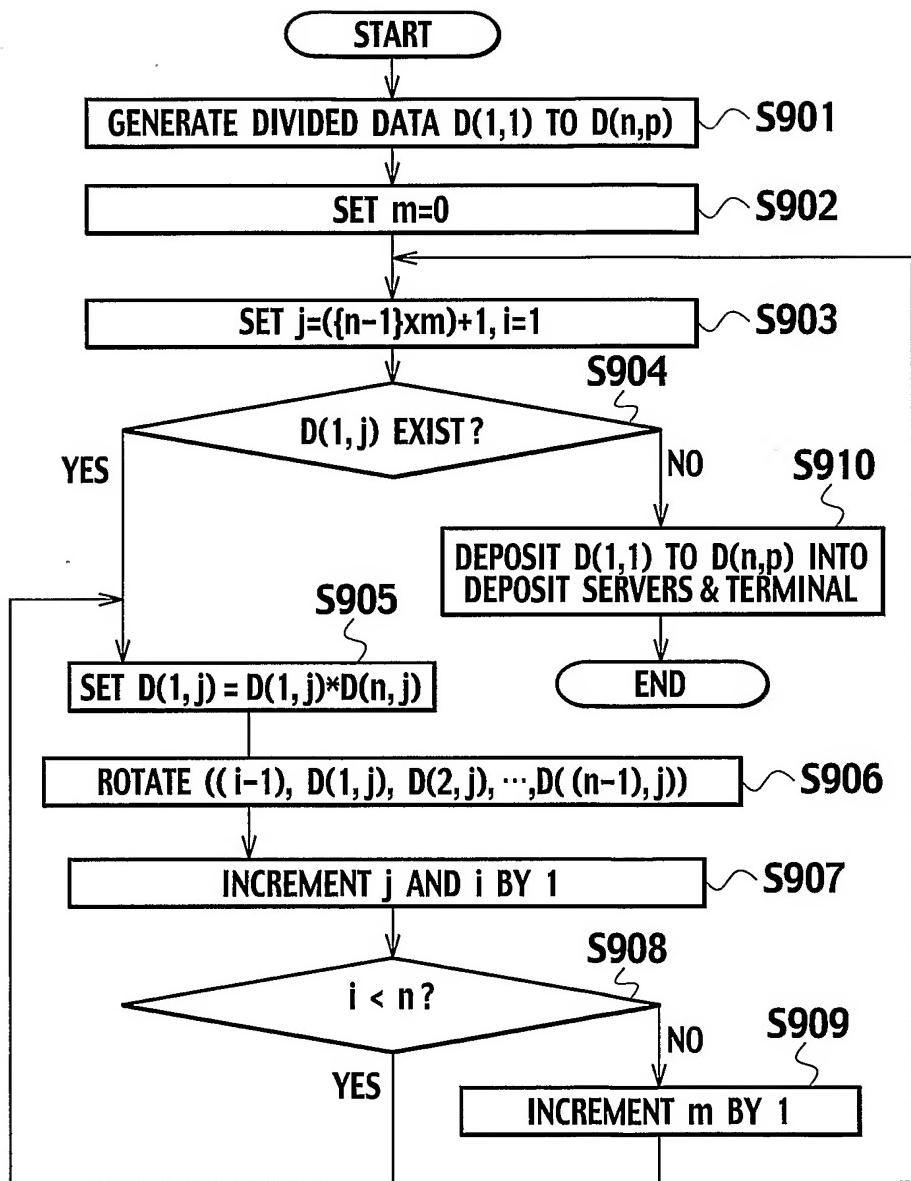
FIG. 20

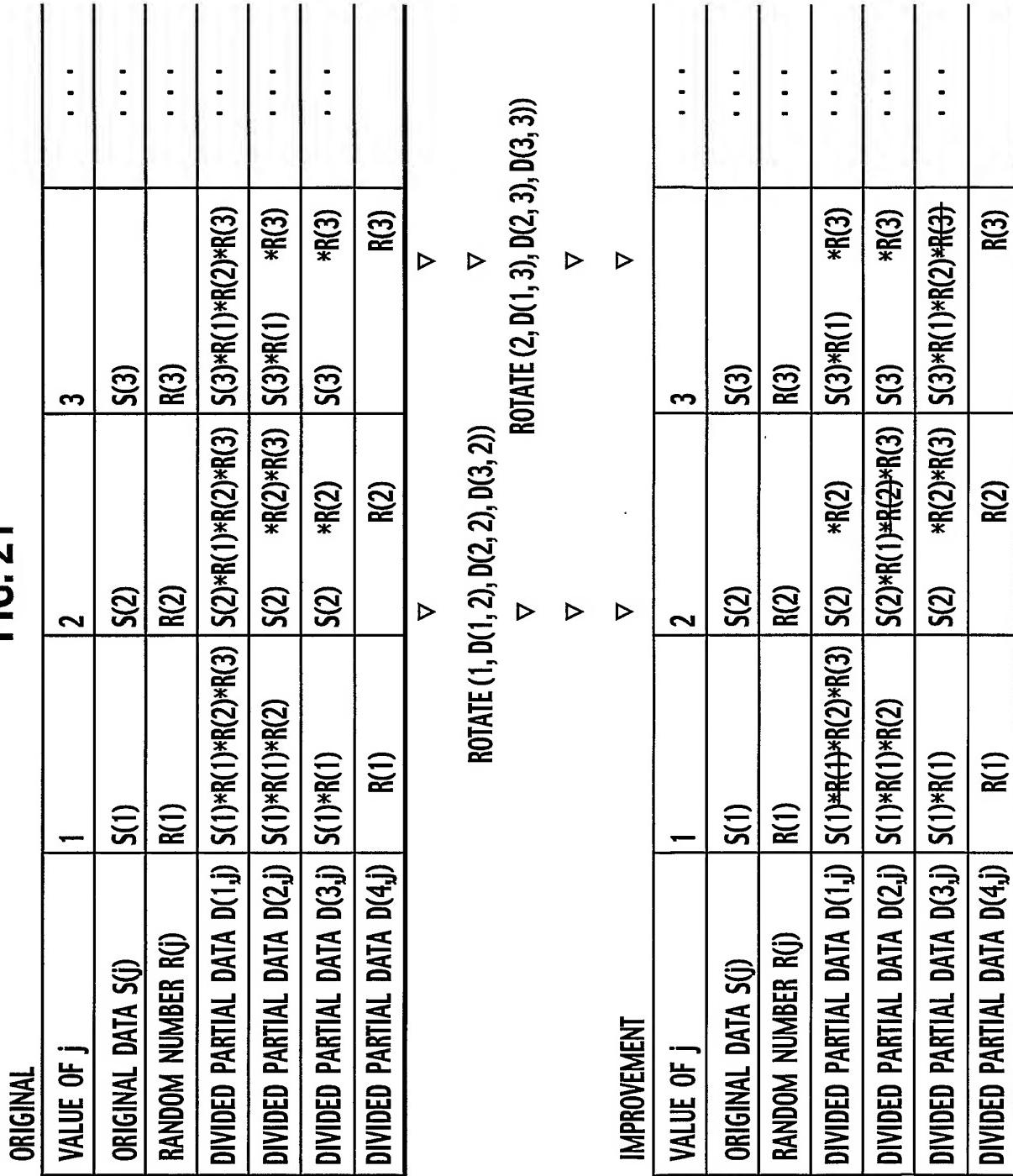
FIG. 21

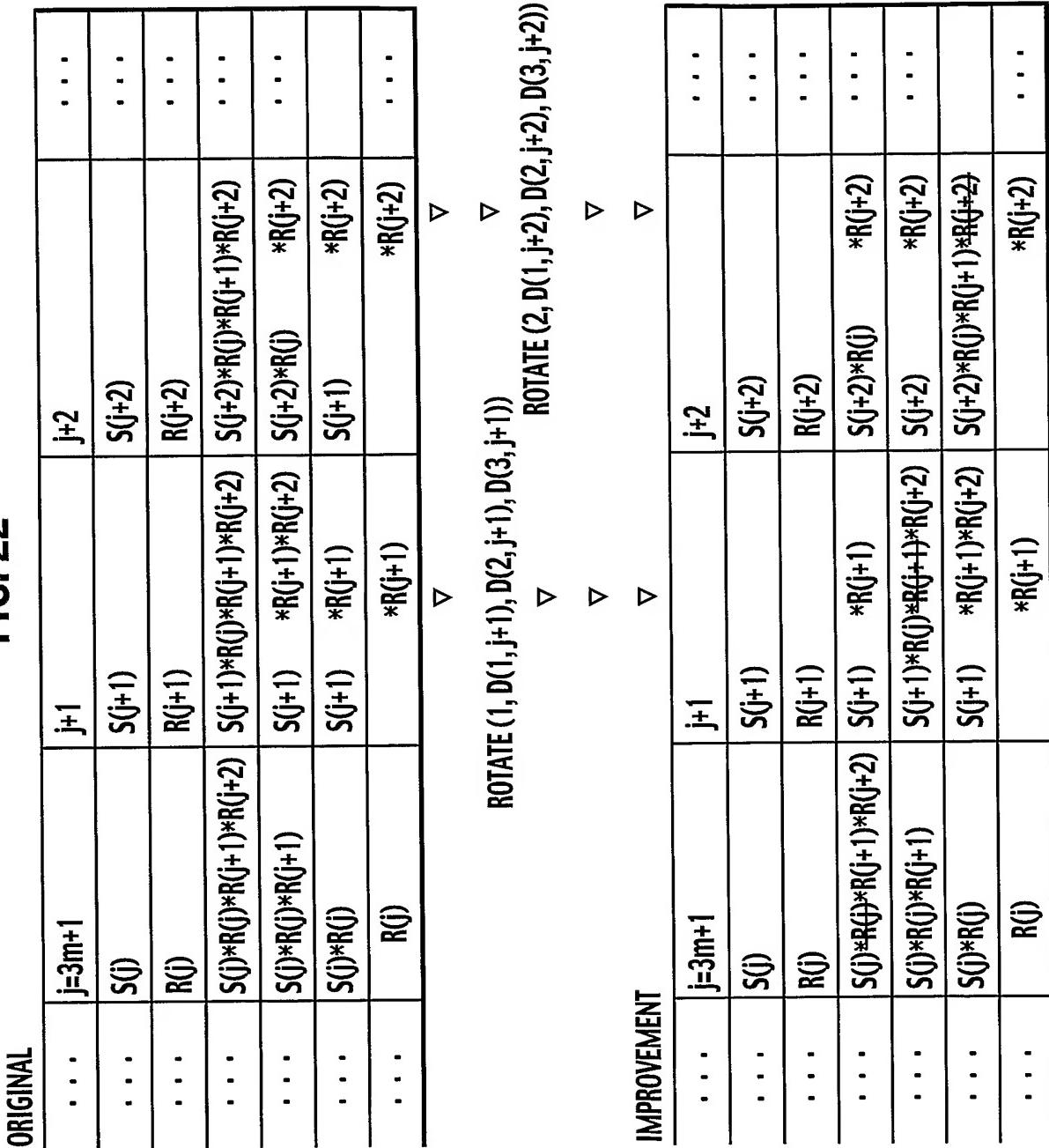
FIG. 22

FIG. 23

ORIGINAL	VALUE OF j	1	2	3	4	...
ORIGINAL DATA S(j)	S(1)	S(2)	S(3)			...
RANDOM NUMBER R(j)	R(1)	R(2)	R(3)			...
DIVIDED PARTIAL DATA D(1,j)	S(1)*R(1)*R(2)*R(3)*R(4)	S(2)*R(1)*R(2)*R(3)*R(4)	S(3)*R(1)*R(2)*R(3)*R(4)	S(4)*R(1)*R(2)*R(3)*R(4)		...
DIVIDED PARTIAL DATA D(2,j)	S(1)*R(1)*R(2)*R(3)	S(2)*R(2)*R(3)*R(4)	S(3)*R(1)	S(4)*R(1)*R(2)	R(4)	...
DIVIDED PARTIAL DATA D(3,j)	S(1)*R(1)*R(2)	S(2)	S(3)	S(4)*R(1)	R(4)	...
DIVIDED PARTIAL DATA D(4,j)	S(1)*R(1)	S(2)	S(3)	S(4)*R(1)	R(4)	...
DIVIDED PARTIAL DATA D(5,j)	R(1)	*R(2)	*R(3)	*R(4)	R(4)	...
						...
						...

IMPROVEMENT						
VALUE OF j	1	2	3	4		...
ORIGINAL DATA S(j)	S(1)	S(2)	S(3)			...
RANDOM NUMBER R(j)	R(1)	R(2)	R(3)			...
DIVIDED PARTIAL DATA D(1,j)	S(1)*R(1)*R(2)*R(3)*R(4)	S(2)*R(2)	S(3)	*R(1)*R(2)	*R(4)	...
DIVIDED PARTIAL DATA D(2,j)	S(1)*R(1)*R(2)*R(3)	S(2)*R(1)*R(2)*R(3)*R(4)	S(3)	*R(3)	S(4)*R(1)	...
DIVIDED PARTIAL DATA D(3,j)	S(1)*R(1)*R(2)	S(2)*R(2)*R(3)*R(4)	S(3)*R(1)*R(2)*R(3)*R(4)	S(4)	*R(4)	...
DIVIDED PARTIAL DATA D(4,j)	S(1)*R(1)	S(2)*R(2)*R(3)	S(3)*R(1)	S(4)*R(1)*R(2)*R(3)*R(4)		...
DIVIDED PARTIAL DATA D(5,j)	R(1)	*R(2)	*R(3)	*R(4)	*R(4)	...
						...
						...

▽ ▽ ▽ ▽ ▽ ▽ ▽

ROTATE (1, D(1,2), D(2,2), (3,2), D(4,2)) ▽

▽ ROTATE (2, D(1,3), D(2,3), (3,3), D(4,3)) ▽

▽ ▽ ▽ ▽ ▽ ▽ ▽

ROTATE (3, D(1,4), D(2,4), (3,4), D(4,4)) ▽

FIG. 24

ORIGINAL							
...	j=4m+1	j+1		j+2		j+3	
...	S(j)	S(j+1)		S(j+2)		S(j+3)	
...	R(j)	R(j+1)		R(j+2)		R(j+3)	
...	S(j)*R(j)*R(j+1)*R(j+2)*R(j+3)	S(j+1)*R(j)*R(j+1)*R(j+2)*R(j+3)		S(j+2)*R(j)*R(j+1)*R(j+2)*R(j+3)		S(j+3)*R(j)*R(j+1)*R(j+2)*R(j+3)	
...	S(j)*R(j)*R(j+1)*R(j+2)	S(j+1)*R(j)*R(j+1)*R(j+2)		S(j+2)*R(j)*R(j+1)		S(j+3)*R(j)*R(j+1)	
...	S(j)*R(j)*R(j+1)	S(j+1)*R(j)*R(j+1)		S(j+2)		*R(j+2)*R(j+3)	
...	R(j)	R(j+1)		R(j+2)		R(j+3)	